

=> D HIS

(FILE 'HOME' ENTERED AT 13:18:35 ON 27 JAN 97)

INDEX 'AGRICOLA, AIDSLINE, ANABSTR, AQUASCI, BIOBUSINESS, BIOSIS,
BIOTECHABS, BIOTECHDS, CABA, CANCERLIT, CAPLUS, CEABA, CEN, CIN,
CJACS, CJELSEVIER, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE,
DISSABS, DRUGB, DRUGLAUNCH, DRUGNL, DRUGU, EMBAL, EMBASE, ...'
ENTERED AT 13:22:35 ON 27 JAN 97

SEA ((TUMOUR? OR TUMOR?) (W) NECROSIS FACTOR) (3A) RECEPTOR?

8 FILE AGRICOLA
110 FILE AIDSLINE
2 FILE ANABSTR
15 FILE BIOBUSINESS
1915 FILE BIOSIS
83 FILE BIOTECHABS
83 FILE BIOTECHDS
41 FILE CABA
1623 FILE CANCERLIT
1717 FILE CAPLUS
18 FILE CEABA
1 FILE CEN
12 FILE CIN
15 FILE CJACS
58 FILE CONFSCI
94 FILE DDFU
249 FILE DGENE
15 FILE DISSABS
7 FILE DRUGNL
100 FILE DRUGU
40 FILE EMBAL
1308 FILE EMBASE
1 FILE FSTA
318 FILE GENBANK
16 FILE IFIPAT
30 FILE JICST-EPLUS
466 FILE LIFESCI
1564 FILE MEDLINE
3 FILE NTIS
1 FILE PHIC
15 FILE PHIN
57 FILE PROMT
1098 FILE SCISEARCH
368 FILE TOXLINE
131 FILE TOXLIT
47 FILE USPATFULL

L1 QUE ((TUMOUR? OR TUMOR?) (W) NECROSIS FACTOR) (3A) RECEPTOR

SEA L1 AND (CLON? OR CDNA OR DNA OR RNA OR MRNA)

5 FILE AGRICOLA
34 FILE AIDSLINE

2 FILE BIOBUSINESS
 401 FILE BIOSIS
 66 FILE BIOTECHABS
 66 FILE BIOTECHDS
 18 FILE CABA
 502 FILE CANCERLIT
 519 FILE CAPLUS
 8 FILE CEABA
 4 FILE CIN
 11 FILE CJACS
 1 FILE CONFSCI
 16 FILE DDFU
 137 FILE DGENE
 5 FILE DISSABS
 1 FILE DRUGNL
 20 FILE DRUGU
 8 FILE EMBAL
 359 FILE EMBASE
 1 FILE FSTA
 318 FILE GENBANK
 7 FILE IFIPAT
 9 FILE JICST-EPLUS
 137 FILE LIFESCI
 489 FILE MEDLINE
 3 FILE NTIS
 1 FILE PHIN
 12 FILE PROMT
 417 FILE SCISEARCH
 106 FILE TOXLINE
 54 FILE TOXLIT
 44 FILE USPATFULL
 L2 QUE L1 AND (CLON? OR CDNA OR DNA OR RNA OR MRNA)

FILE 'BIOSIS, CAPLUS, CANCERLIT, EMBASE, MEDLINE, SCISEARCH'
 ENTERED AT 13:32:42 ON 27 JAN 97
 L3 401 FILE BIOSIS
 L4 519 FILE CAPLUS
 L5 502 FILE CANCERLIT
 L6 359 FILE EMBASE
 L7 489 FILE MEDLINE
 L8 417 FILE SCISEARCH
 TOTAL FOR ALL FILES
 L9 2687 S L2
 L10 1095 DUP REM L9 (1592 DUPLICATES REMOVED)
 E GREENE J/AU
 L11 141 FILE BIOSIS
 L12 87 FILE CAPLUS
 L13 16 FILE CANCERLIT
 L14 71 FILE EMBASE
 L15 115 FILE MEDLINE
 L16 268 FILE SCISEARCH
 TOTAL FOR ALL FILES
 L17 698 S E3 OR E26 OR E75 OR E78-79
 L18 0 FILE BIOSIS
 L19 1 FILE CAPLUS
 L20 0 FILE CANCERLIT
 L21 0 FILE EMBASE

L22 0 FILE MEDLINE
L23 0 FILE SCISEARCH
TOTAL FOR ALL FILES
L24 1 S L17 AND L2
E FLEISCHMANN R/AU
L25 74 FILE BIOSIS
L26 103 FILE CAPLUS
L27 16 FILE CANCERLIT
L28 49 FILE EMBASE
L29 49 FILE MEDLINE
L30 92 FILE SCISEARCH

TOTAL FOR ALL FILES

L31 383 S E3 OR E6 OR E13-15
L32 0 FILE BIOSIS
L33 1 FILE CAPLUS
L34 0 FILE CANCERLIT
L35 0 FILE EMBASE
L36 0 FILE MEDLINE
L37 0 FILE SCISEARCH

TOTAL FOR ALL FILES

L38 1 S L31 AND L2

FILE 'WPIDS' ENTERED AT 13:56:09 ON 27 JAN 97

L39 18 S L2
E GREENE J/AU
L40 0 S E3 AND E11
L41 31 S E3 OR E11
L42 0 S L41 AND L2

Doc. Ref. AS8
Appl. No. 08/469,637

```

RESULT 13
LOCUS HSC0BE062 253 bp RNA EST 26-OCT-1994
DEFINITION H. sapiens partial cDNA sequence; clone c-0be06.
ACCESSION Z38433
NID g560441
KEYWORDS partial cDNA sequence; transcribed sequence fragment.
SOURCE human.
ORGANISM Homo sapiens
Eukaryotae; mitochondrial eukaryotes; Metazoa/Eumycota group;
Metazoa; Eumetazoa; Bilateria; Coelomata; Deuterostomia; Chordata;
Vertebrata; Gnathostomata; Osteichthyes; Sarcopterygii; Choanata;
Tetrapoda; Amniota; Mammalia; Theria; Eutheria; Archonta; Primates;
Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 253)
AUTHORS Genexpress.
TITLE Direct Submission
JOURNAL Submitted (24-OCT-1994) to the EMBL/GenBank/DBJ databases.
Genethon, B.P. 60, 91002 Evry Cedex France and Genetique
Moleculaire et Biologie du developpement, CNRS UPR420 B.P. 8, 94801
Villejuif Cedex France.E-mail: genexpress@genethon.fr
REFERENCE 2 (bases 1 to 253)
AUTHORS Genexpress.

TITLE The Genexpress cDNA program
JOURNAL Unpublished
REFERENCE 3 (bases 1 to 253)
AUTHORS Auffray,C., Behar,G., Bois,F., Boucher,C., da Silva,C.,
Devignes,M.D., Duprat,S., Houlgatte,R., Jumeau,M.N., Lamy,B.,
Lorenzo,F., Mitchell,H., Mariage-Samson,R., Pietu,G., Pouliot,Y.,
Sebastiani-Kabaktchis,C. and Tessier,A.
TITLE IMAGE: Integrated molecular analysis of the human genome and its
expression
JOURNAL C.R. Acad. Sci., III, Sci. Vie 318, 263-272 (1995)
COMMENT Clone library from B.Souares, Psychiatry Dept. Columbia University
USA;

Cloning_method: total mRNA was oligo-(dT) primed and directionally
cloned 5' -> 3' into the HindIII -> NotI sites of the lacmid BA
vector;
Sequencing_method: single read, full automatic;
Primer: (-21)M13_universal;
cDNA sequence complementary to mRNA (3'end)
Stretch_removed: 31 T removed at sequence 5'end
Normalization_method: Bento Soares, P.N.A.S in press;
Genexpress_library_idt: C;
Genexpress_sequence_idt: alc-0be06;

No significant homology found with :
genbank release 81 swissprot release 28.

NCBI gi: 560441
FEATURES
source Location/Qualifiers
1..253
/organism="Homo sapiens"
/dev_stage="3 months old"
/isolate="muscular atrophy patient"
/tissue_type="total brain"
/clone_lib="normalized infant brain cDNA"
/sex="Female"

BASE COUNT 76 a 57 c 49 g 70 t 1 others
ORIGIN

Query Match 1.4%; Score 21; DB 34; Length 253;
Best Local Similarity 78.4%; Pred. No. 1.07e-02;
Matches 29; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Db 123 acacagctcacatgtacagacaataaaactgctcaag 159
|||||
QY 774 ACACAGCTCACAAGAACAGACTTCCAGCTGCTGAAG 810

```

RESULT 2
LOCUS CRAGF1 1933 bp mRNA VRT 01-SEP-1993
DEFINITION Carassius auratus (GFAP-1) mRNA, complete cds.
ACCESSION L23876
NID g388622
KEYWORDS
SOURCE Carassius auratus adult retina cDNA to mRNA.
ORGANISM Carassius auratus
Eukaryota; Animalia; Chordata; Vertebrata; Osteichthyes;
Actinopterygii; Cypriniformes; Cyprinidae; Cyprinidae.
REFERENCE 1 (bases 1 to 1933)
AUTHORS Glasgow, E. and Schechter, N.
TITLE Nucleotide sequence of a GFAP - like intermediate filament cDNA
from Goldfish retina
JOURNAL Unpublished (1993)
COMMENT NCBI gi: 388622
FEATURES
source Location/Qualifiers
1..1933
/organism="Carassius auratus"
/dev_stage="adult"
/sequenced_mol="cDNA to mRNA"
/tissue_type="retina"
CDS
20..1099
/gene="GFAP-1"
/note="putative; NCBI gi: 388623"
/codon_start=1
/db_xref="PID:g388623"
/translation="MGLNDRFASYIEKVRFLQONKMLVAELNQLRGKEPSRLGDIYQ
EELRELRRQVDGLNAGKARLEIERDNLASDLATLKQRLQEEALRQEAENNLNFRQD
VDEAALNRVQLERKIDALQDEISFLRKVHEEEMRQLQEQVHVLDLVDVSKPDLTT
ALKEIRAQFEAMATSNMQETEEWYRSKFADLTDAAGRNAELRQAKQEAENEYRRQIQG
LTCDLSELRGSNESLERQLREMEERFAIETAGYQDTVARLEDEIQMLKEEMARHLQEQ
QDLLNVKLALDIEIATYRKLLGEESRITVPVQNFNTLQFRDTSLDTKLTPEAHVKRS
IVVRTIVETRDGEIIEKSTTERKDLP"
BASE COUNT 561 a 395 c 507 g 470 t
ORIGIN
Query Match 1.6%; Score 25; DB 77; Length 1933;
Best Local Similarity 77.8%; Pred. No. 1.22e-01;
Matches 35; Conservative 0; Mismatches 10; Indels 0; Gaps 0;
Db 901 gaagctgctcgaaggagaggaaagcagaatcactgttccggtgca 945
|||||
Cp 931 GAAGCTGCTCGAAGGTGAGGTTAGCATGTCCAATGTGCCGCTGCA 887

RESULT 7
LOCUS H14106 344 bp mRNA EST 10-JUL-1995
DEFINITION ym62a05.r1 Homo sapiens cDNA clone 163472 5' similar to SP:S32367
S32367 ALPA-SNAP PROTEIN
ACCESSION H14106
NID g878954
KEYWORDS EST.
SOURCE human clone-163472 library-Soares adult brain N2b4HB55Y vector-pT7T3D (Pharmacia) with a modified polylinker host-DH10B (ampicillin resistant) primer-M13RP1 Rsite1-Not I Rsite2-Eco RI 55-year old male. 1st strand cDNA was primed with a Not I - oligo(dT) primer [5' TGTTACCAATCTGAAGTGGGAGCGGCCGCGCTTTTTTTTTTTTTTTTTT 3'], double-stranded cDNA was size selected, ligated to Eco RI adapters (Pharmacia), digested with Not I and cloned into the Not I and Eco RI sites of a modified pT7T3 vector (Pharmacia). Library went through one round of normalization to a Cot = 53. Library constructed by Bento Soares and M.Fatima Bonaldo. The adult brain RNA was provided by Dr. Donald H. Gilden. Tissue was acquired 17-18 hours after death which occurred in consequence of a ruptured aortic aneurysm. RNA was prepared from a pool of tissues representing the following areas of the brain: frontal, parietal, temporal and occipital cortex from the left and right hemispheres, subcortical white matter, basal ganglia, thalamus, cerebellum, midbrain, pons and medulla.

ORGANISM Homo sapiens
Eukaryotae; Metazoa; Eumetazoa; Bilateria; Coelomata; Deuterostomia; Chordata; Vertebrata; Gnathostomata; Osteichthyes; Sarcopterygii; Choanata; Tetrapoda; Amniota; Mammalia; Theria; Eutheria; Archonta; Primates; Catarrhini; Homnidae; Homo.

REFERENCE 1 (bases 1 to 344)
AUTHORS Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Trevasik,E., Waterston,R., Williamson,A., Wohldmann,P. and Wilson,R.
TITLE The WashU-Merck EST Project
JOURNAL Unpublished (1995)

COMMENT
Contact: Wilson RK
WashU-Merck EST Project
Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
Email: est@watson.wustl.edu
High quality sequence stops: 313
Source: IMAGE Consortium, LLNL
This clone is available royalty-free through LLNL ; contact the IMAGE Consortium (info@image.llnl.gov) for further information.

FEATURES NCBI gi: 878954
source Location/Qualifiers
1..344
/organism="Homo sapiens"
/clone="163472"
/note="human"

BASE COUNT 71 a 116 c 86 g 64 t 7 others
ORIGIN

Query Match 1.5%; Score 23; DB 8; Length 344;
Best Local Similarity 77.8%; Pred. No. 2.98e-05;
Matches 28; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Db 117 gcaccacttcccctnactactnctacncacacagct 152
|| || || || || || || || || || || || || || || ||
Qy 230 GCGCCCCCTTGCCCTGACCCTACTACACAGACAGCT 265

RESULT 12
LOCUS G11923 245 bp DNA STS 23-OCT-1995
DEFINITION human STS MR4116.
ACCESSION G11923
NID gl036742
KEYWORDS STS sequence; primer; sequence tagged site.
SOURCE human STSs derived from random genomic DNA.
ORGANISM Homo sapiens
Eukaryotae; mitochondrial eukaryotes; Metazoa; Chordata;
Vertebrata; Gnathostomata; Osteichthyes; Sarcopterygii; Choanata;
Tetrapoda; Amniota; Mammalia; Theria; Eutheria; Archonta; Primates;
Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 245)
AUTHORS Hudson, T.
TITLE Whitehead Institute/MIT Center for Genome Research; Physically
Mapped STSs
JOURNAL Unpublished (1995)
COMMENT
Contact: Thomas Hudson
Whitehead Institute/MIT Center for Genome Research
Whitehead Institute for Biomedical Research
9 Cambridge Center, Cambridge MA 02142 USA
Tel: 617 252 1900
Fax: 617 252 1902
Email: thudson@genome.wi.mit.edu

Primer A: TGTTTGTAGTTGTTTGTATTGGA
Primer B: AAAGGAGTCAAATGGGTTTTT

STS size: 100

PCR Profile:

Presoak:

Denaturation:

Annealing: 56 degrees C

Polymerization:

PCR Cycles: 35

Thermal Cycler:

Protocol:

Template: 10 ng

Primer: each 5 pM

dNTPs: each 4 nM

Taq Polymerase: 0.025 units/ul

Total Vol: 20 ul

Buffer:

MgCl2: 1.5 mM

KCl: 50 mM

Tris-HCL: 10 mM

pH: 9.3

Prepared with primer pairs derived from random genomic sequence.

NCBI gi: 1036742
FEATURES
source Location/Qualifiers
1..245
/organism="Homo sapiens"
/note="human"
STS 56..155
/map="791_B_4; 816_F_6; 921_C_9; 928_A_7; 934_F_6;
963_G_6"
primer_bind 56..80
/map="791_B_4; 816_F_6; 921_C_9; 928_A_7; 934_F_6;
963_G_6"
primer_bind complement(134..155)
/map="791_B_4; 816_F_6; 921_C_9; 928_A_7; 934_F_6;
963_G_6"
BASE COUNT 92 a 28 c 35 g 87 t 3 others
ORIGIN

Query Match 1.4%; Score 21; DB 95; Length 245;
Best Local Similarity 70.8%; Pred. No. 1.07e-02;
Matches 34; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

Db 109 tncctgaaatgttacctcatttaaaaaaacccattttgactcctttt 156
| | | | | | | | | | | | | | | | | | | | | |
Cp 519 TGCTTTAGATGACGTCTCATTGAGAAGAACCCTGACATCTTTT 472

RESULT 3
LOCUS RRMAP1B5 7095 bp RNA ROD 21-OCT-1992
DEFINITION R.norvegicus mRNA for microtubule associated protein IB.
ACCESSION X60370 X60371 X60550
NID g57618

KEYWORDS MAP1B gene; microtubule-associated protein.
SOURCE Norway rat.
ORGANISM Rattus norvegicus
Eukaryotae; mitochondrial eukaryotes; Metazoa/Eumycota group;
Metazoa; Eumetazoa; Bilateria; Coelomata; Deuterostomia; Chordata;
Vertebrata; Gnathostomata; Osteichthyes; Sarcopterygii; Choanata;
Tetrapoda; Amniota; Mammalia; Theria; Eutheria; Glires; Rodentia;
Sciurognathi; Myomorpha; Muridae; Murinae; Rattus.

REFERENCE 1 (bases 1 to 7095)
AUTHORS Zauner, W., Kratz, J., Staunton, J., Feick, P. and Wiche, G.
TITLE Identification of two distinct microtubule binding domains on
recombinant rat MAP 1B
JOURNAL Eur. J. Cell Biol. 57 (1), 66-74 (1992)
MEDLINE 92347374

REFERENCE 2 (bases 1 to 7095)
AUTHORS Wiche, G.
TITLE Direct Submission
JOURNAL Submitted (07-AUG-1991) to the EMBL/GenBank/DDBJ databases. G.
Wiche, Inst of Biochemistry, University of Vienna,
Wahringerstrasse 17, 1090 Vienna, AUSTRIA

REMARK revised by [3]
REFERENCE 3 (bases 1 to 7095)
AUTHORS Wiche, G.
TITLE Direct Submission
JOURNAL Submitted (07-AUG-1992) to the EMBL/GenBank/DDBJ databases. G.
Wiche, Institute of Biochemistry and Molecular Biology, University
of Vienna, Dr. Bohrgasse 9, 1030 Vienna, AUSTRIA

COMMENT NCBI gi: 57618
FEATURES
source Location/Qualifiers
1..7095
/organism="Rattus norvegicus"
/strain="Sprague-Dawley"
/dev_stage="adult"
/tissue_type="brain"
/cell_type="C6 glioma"

BASE COUNT 2124 a 1856 c 1799 g 1316 t
ORIGIN

Query Match 1.6%; Score 24; DB 66; Length 7095;
Best Local Similarity 76.1%; Pred. No. 5.70e-01;
Matches 35; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

Db 1004 gcaaggaaatgcagttatttcagtcagcagtggaaccaacaa 1049
||||| ||||| ||| ||||| ||||| ||||| ||||| |||||
Qy 305 GCAAGGAGCTGCAGTACGTCAAGCAGGAGTGCAATCGCACCCACAA 350

Appl. No. 08/469,637

Query Match 9.9%; Score 301; DB 7; Length 277;
Best Local Similarity 36.8%; Pred. No. 5.78e-18;
Matches 56; Conservative 21; Mismatches 67; Indels 8; Gaps 7;

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Db      38 cslcqpggklvsdcteftetecplccesefldtnwrethchqhkycdpn-lglr-vqqkg 95
        | | | | | | | | | | | | : : : : | | | | | : | |
Qy     41 CDKCPPGTLYLKQHCTAKWKTVCAPCPDHYTDSWHTSDEC-L-YCSPVCKELQYVKQE 97
        | | | | | | | | | | | | | | | | | | | | | | | |
Db     96 tsetdtictceegwhctseacescvlhrscspgfgvkqiatgvsdticepcpvggffsnvs 155
        : : | | | : | | | : | | | | | | | | : | : | | | | :
Qy    98 NRTHNRVCECKEGRY-L-EI- EFCLKHRSCPPGFGVVQAGTPERNTVCKRCPDGFFSNET 154
        | | | | | | | | | | | | | | | | | | | | | | | |
Db   156 safekchpwtsctekdlvvqqagntktdvvcg 187
        | : | : | | | : | : | : | : | : | : | : | : | :
Qy   155 SSKAPCRKHTNCSVFGLLLTKGNATHDNICS 186

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RESULT 7
LOCUS HSLIPA4 1851 bp DNA
DEFINITION H.sapiens LIPA gene, exon 4. PRI 01-MAR-1994
ACCESSION X75491
NID g443925
KEYWORDS acid cholesteryl ester hydrolase; lipA gene;
lysosomal acid lipase.
SOURCE human.
ORGANISM Homo sapiens
Eukaryotae; mitochondrial eukaryotes; Metazoa/Eumycota group;
Metazoa; Eumetazoa; Bilateria; Coelomata; Deuterostomia; Chordata;
Vertebrata; Gnathostomata; Osteichthyes; Sarcopterygii; Choanata;
Tetrapoda; Amniota; Mammalia; Theria; Eutheria; Archonta; Primates;
Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 1851)
AUTHORS Aslanidis, C., Klima, H., Lackner, K.J. and Schmitz, G.
TITLE Genomic organization of the human lysosomal acid lipase gene (LIPA)
JOURNAL Genomics 20 (2), 329-331 (1994)
MEDLINE 94292225
REFERENCE 2 (bases 1 to 1851)
AUTHORS Aslanidis, C.
TITLE Direct Submission
JOURNAL Submitted (02-NOV-1993) to the EMBL/GenBank/DBJ databases. C.
Aslanidis, Inst for Clinical Chemistry & Lab. Med., University of
Regensburg, 93042 Regensburg, FRG
COMMENT NCBI gi: 443925
FEATURES
source Location/Qualifiers
1..1851
/organism="Homo sapiens"
/clone_lib="human placenta DNA cloned in lambda FIXII
(stratagene)"
/chromosome="10q23.2-q23.3"
intron <1..948
/number=3
CDS 949..1137
/gene="LIPA"
/EC_number="3.1.1.13"
/product="sterol esterase"
exon 949..1137
/gene="LIPA"
/number=4
/usedin=x75489:LIPA_CDS
/usedin=x75489:LIPA_mRNA
intron 1138..>1851
/number=4
BASE COUNT 481 a 347 c 369 g 653 t 1 others
ORIGIN
Query Match 1.5%; Score 23; DB 51; Length 1851;
Best Local Similarity 78.0%; Pred. No. 2.52e+00;
Matches 32; Conservative 0; Mismatches 9; Indels 0; Gaps 0;
Db 662 ttcttaaaaaatatattgatttttgttttgctgcttacataa 702
||||| ||||| ||| ||||| ||||| ||||| |||||
Cp 851 TTCTTGACTATATCTTGGTCTTTGTTTGTATGTTTCATAA 811